IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of NAKAE et al. NAKAE et al. Filed March 17, 2000	RECE/VEI AUG 2 2 2002 TECH CENTER 1600/2900 Examiner J. Lundgren	
For: PRIMER DESIGN SYSTEM)	
Honorable Assistant Commissioner for Patents		

COVER LETTER

Sir:

Washington, D.C. 20231

[] The fee for submission of additional claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS PAID	RATE	CALCULATION
Total Claims	18	17	-XX (Over 20)	x \$18	0
Independent Claims	7	10	10 (Over 3)	× \$84	0
MULTIPLE DEPENI	DENT CLAIM(S)			+ \$280	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).					
			TOTA	\L	0

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

J Petition for Extension of Time	
ndments) [] Terminal Disclaimer	
] Letter to Draftsperson	
] Assignment	
Petition under	
] Small entity status	

[]	Please charge my Deposit Account Number in the amount of to cover the fees for A duplicate copy of this paper is enclosed.
[]	A check in the amount of \$ 0.00 to cover the fee is enclosed.
[x]	The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to Deposit Account Number 08-1480 .
	Respectfully submitted,
	Stanley P. Fisher Registration Number 24,344
	Man Carlos A. Marquez
	Registration Number 34,072
REE	D SMITH LLP

3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200

August 20, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECFIVED

AUG 2 2 2002

TECH CENTER 1600/2900

Art Unit 1631

Filed March 17, 2000

For: PRIMER DESIGN SYSTEM

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This is in response to the office action dated May 20, 2002, in the above identified application, the period for response to which has been extended to expire on August 20, 2002 with a continuation-in-part application filed concurrently. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE CLAIMS:

Please cancel claims 7, 19, 20, 22, and substitute claims 1-4, 30-32 with the following amended claims:

1. A primer design system, comprising:

means for selecting at least one genomic DNA nucleotide sequence from a database including a plurality of DNA nucleotide sequences;

means for predicting a plurality of exons of said selected DNA nucleotide and for storing positions of the predicted exons;

means for simultaneously designing a plurality of primer pairs by using each of the predicted exons as a template; and

means for automatically collating said plurality of primer pairs with said predicted exons and the DNA nucleotide sequence.

2. A primer design system according to claim 1, further comprising means for selecting a plurality of primer pairs meeting certain selection conditions from the designed primer pairs.

